

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/DE2004/002539

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	2	YES
	Claims	1, 3-29	NO
Inventive step (IS)	Claims		YES
	Claims	1-29	NO
Industrial applicability (IA)	Claims	1-29	YES
	Claims		NO

2. Citations and explanations:

see appended sheet

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/DE2004/002539

Box No. VII Certain defects in the international application

The following defects in the form or contents of the international application have been noted:

see appended sheet

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/DE2004/002539

Box No. VIII Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

see appended sheet

Written Opinion of the Inter-
national Searching Authority

Appended Sheet

Re Point V

**Substantiated Determination under Rule 66.2(a)(ii), Regarding
Novelty, Inventive Activity, and Industrial Applicability;
Documents and Explanations in Support of this Determination**

1. Reference is made to the following documents:
D1: US 2003/070917 A1
D2: WO 00/36410 A
D3: DE 101 31 581 A1
2. D1-D3 describe devices and methods for analyzing (e.g. impedance spectroscopy) of a sample plate of inorganic materials. The devices have a carrier for the sample plate, a measuring head for the electrical connection between the various materials, and an evaluation unit (e.g. a computer) and a heating device. For each sample (that is, material) the device has two measuring wires. D3 also describes a gas supply unit, so that different gas atmospheres are able to be tested. D1 and D2 also describe software for the analysis of the measurements. These measurements are able to build up a databank. (See the locations cited in the Search Report.)
For this reason, the subject matter of Claims 1, 3-29 is not novel (Article 33(2) PCT).
3. The additional feature of Claim 2 is generally known by one skilled in the art, and it cannot be a reason for an inventive activity (Article 33(3) PCT).
4. It is pointed out to the applicant that "datamining" is already very well known in the related art.

Re Point VII

Certain Defects in the International Application

1. In contradiction to the requirements of Rule 5.1 a) ii) PCT, neither the relevant related art disclosed in documents D1 and D2, nor these documents, are mentioned in the Specification.

Re Section VIII

Certain Observations on the International Application

1. The following claims do not meet the requirements of Article 6 of the PCT:
 - 1.1. Claim 8 is redundant because a measuring head having a gas supply unit has already been described in Claim 4.
 - 1.2. Claims 14-17 include no method features.